

- (i) a first spool valve configured to vary the braking output according to the manually controlled input; and
- (b) a secondary valve assembly integral with the primary valve assembly, the secondary valve assembly being configured to receive input signals from a programmable electronic controller, the secondary valve assembly including:
 - (i) a second spool valve configured to operate with the primary valve assembly; and
 - (ii) an actuator for engaging and actuating the second spool valve according to the input signals received from the programmable electronic controller such that the second spool valve assists the braking output produced by the primary valve assembly.

Amendment B

1. **(Twice Amended)** A hydraulic braking system for supplying a braking output to a vehicle having at least one wheel, the braking system comprising:
 - (a) a brake valve body including at least a first fluid chamber and a second fluid chamber;
 - (b) a primary valve assembly configured to receive a manually controlled input that varies the braking output, the primary valve assembly including:
 - (i) a first spool valve partially defining the first fluid chamber, the first spool valve configured to vary the braking output according to the manually controlled input; and
 - (c)[b]) a secondary valve assembly configured to receive input signals from a programmable electronic controller, the secondary valve assembly including:
 - (i) a second spool valve partially defining the second fluid chamber, the second spool valve configured to operate with the primary valve assembly; and
 - (ii) an actuator for engaging and actuating the second spool valve according to the input signals received from the programmable electronic controller such that the second spool valve assists the braking output produced by the primary valve assembly.

Amendment C

1. **(Twice Amended)** A hydraulic braking system for supplying a braking output to a vehicle having at least one wheel, the braking system comprising:
 - (a) a primary valve assembly configured to receive a manually controlled input that varies the braking output, the primary valve assembly including:
 - (i) a first spool valve configured to vary the braking output according to the manually controlled input; and
 - (b) a secondary valve assembly configured to receive input signals from a programmable electronic controller, the secondary valve assembly including:
 - (i) a second spool valve configured to operate with the primary valve assembly; and
 - (ii) an actuator for engaging and actuating the second spool valve according to the input signals received from the programmable electronic controller such that the second spool valve increases [assists] the braking output produced by the primary valve assembly.

The Examiner is invited to contact Applicants' representative at any time to further discuss the proposed amendments. Applicants thank the Examiner for consideration of these proposed amendments.



Respectfully submitted,

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